

19980714.qrp v01_n152.qrs.980714

Date: Tue, 14 Jul 1998 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1152

QRP-L Digest 1152

Topics covered in this issue include:

- 1) [15041] Re: Info
by Bruce Muscolino <w6toy@erols.com>
- 2) [15042] RE: PC Board
by "Dale Botkin" <dbotkin@probe.net>
- 3) [15043] Re: 2N2222 Receiver Working
by "George T. Baker" <w5yr@swbell.net>
- 4) [15044] Re: Elmer 101: T1 not peaking
by penzo@JUNO.COM (Michael A Penzo)
- 5) [15045] Re: Fish Story or Know
by "George T. Baker" <w5yr@swbell.net>
- 6) [15046] Brown Bros Paddle rejuvenation - parts needed
by "KA5T Larry Wise" <lewise@inetport.com>
- 7) [15047] trade: Bug for Paddle
by k5zty@juno.com
- 8) [15048] MAIL BOMB!!
by Brian Chesire <BCChesire@worldnet.att.net>
- 9) [15049] C.B. to 10 meters (long)
by sigcom@juno.com (Stephen M Smith)
- 10) [15050] KC-1 question
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 11) [15051] re: fractal antennas
by ka1iic <ka1iic@ime.net>
- 12) [15052] Re: Fish Story or Know
by Mike - W0TMW <crucis@sky.net>
- 13) [15053] Re: MAIL BOMB!!
by "John J. McDonough" <jjmcd@tm.net>
- 14) [15054] EMERGENCY COAX CONNECTORS
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 15) [15055] QRP-ARCI Sprint - I gave the wrong Number
by "Jim Francoeur KC1FB" <jrfrancoeur@snet.net>
- 16) [15056] Re: Elmer300: First Experiment
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 17) [15057] FT-757 memory keyer
by "QRP-L" <pornchai@daisy.bu.ac.th>
- 18) [15058] Fw: FT-757 memory keyer
by "Joe-<HS2JFW>" <pornchai@daisy.bu.ac.th>
- 19) [15059] Re: Elmer300: First Experiment

by dave_epps@juno.com

20) [15060] Re: Elmer300: First Experiment
by "George T. Baker" <w5yr@swbell.net>

21) [15061] Re: Elmer300: First Experiment
by "George T. Baker" <w5yr@swbell.net>

22) [15062] /M
by kb0rol@juno.com (Bradley L Mugleston)

23) [15063] Re: /M
by RangerSF5@aol.com

24) [15064] Re: MAIL BOMB!!
by "Harry T. Hurst" <hhurst@delaware.infi.net>

25) [15065] Tanner-White Receiver Kit
by "Harry T. Hurst" <hhurst@delaware.infi.net>

26) [15066] Re: Elmer 101: T1 not peaking
by Richard Powell <ripowell@mpna.com>

27) [15067] Re: QRP-L digest 1151
by "Peter Orban" <peter@peter237.imti.nrc.ca>

28) [15068] Re: Elmer300: First Experiment
by Bruce Muscolino <w6toy@erols.com>

29) [15069] Re: spelling
by Dick G0BPS <G0BPS@kanga.demon.co.uk>

30) [15070] RE: De-Fin-A-Tive words on the spalling thread & QRP OPEROTATION
by cy r currier <crc3@telplus.net>

31) [15071] UPDATE ON 40/80 WIRE ROPE TREE HALF SQ.
by jdenison@morelr.com (JOEL DENISON)

32) [15072] Re: QRP-ARCI Sprint - I gave the wrong Number
by Zack Lau <zlau@arrl.org>

33) [15073] Elmer300 and 200 status report
by adams@chuck.dallas.sgi.com (Chuck Adams)

34) [15074] Solar Stuff
by adams@chuck.dallas.sgi.com (Chuck Adams)

35) [15075] Spectrum Analyzer Article in Aug 98 QST
by Sam Billingsley <SBillingsley@usaninc.com>

36) [15076] Re: spelling
by Monte Stark <ku7y@dri.edu>

37) [15077] Re: Glacier - Waterton International Hamfest QRP Seminar {Montana-
USA}
by Bruce Rattray <rattray@gpfn.sk.ca>

38) [15078] Rechargeable battery references
by Peter_Simpson@ne.3com.com

39) [15079] [Fwd: Antenna Analyzer]
by "George T. Baker" <w5yr@swbell.net>

40) [15080] CA3054
by "Brad Hernlem" <alihernlem@hotmail.com>

41) [15081] Sierra band modules located
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>

42) [15082] 38 Spcl schematic details
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>

- 43) [15083] Help Identify Transistors
by "Brad Hernlem" <alihernlem@hotmail.com>
- 44) [15084] Re: Tanner-White Receiver Kit
by "George T. Baker" <w5yr@swbell.net>
- 45) [15085] Re: CA3054
by Chris Trask <ctrask@primenet.com>
- 46) [15086] Re: Tanner-White Receiver Kit
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 47) [15087] CB to 10 Mtr. Mod
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>
- 48) [15088] RE: Tanner-White Receiver Kit (Tanner or Jade..?)
by Conrad <radman@best.com>
- 49) [15089] Re: Tanner-White Receiver Kit
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 50) [15090] Re: Info (oops!)
by Bruce Muscolino <w6toy@erols.com>
- 51) [15091] Jade OCR Rcvr
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>
- 52) [15092] Re: Elmer300
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
- 53) [15093] Badpela rait rait long dispela list & obligatory QRP
by nilsbull@juno.com (Nils R Young)
- 54) [15094] Re: Badpela rait rait long dispela list & obligatory QRP
by Niel Skousen <skousen@srv.net>
- 55) [15095] REMINDER: Simple Antenna Nite
by ARDUJENSKI@aol.com
- 56) [15096] Hawaii QRP
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 57) [15097] PN2222A, etc Deals
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 58) [15098] rec.radio.amateur.????
by Ron Keener <rkeener@realtime.net>
- 59) [15099] Re: 38 Spcl schematic details
by Ed Loranger <we6w@qsl.net>
- 60) [15100] RE: rec.radio.amateur.????
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 61) [15101] 11 T0 10 Info (long)
by SKIPNC90@aol.com
- 62) [15102] Re: Badpela rait rait long dispela list & obligatory QRP
by Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>
- 63) [15103] Re: Badpela rait rait long dispela list & obligatory QRP
by macstein@cftnet.com (Mac Steinmeyer)
- 64) [15104] Re: Homebrew Sprint / Tuthill / BUBBA / etc
by Joe Gervais <vole@primenet.com>
- 65) [15105] Houston QRP Meeting for July
by Ed Manuel <n5em@flash.net>
- 66) [15106] Hole Punch information garnered.
by Ed Loranger <we6w@qsl.net>

- 67) [15107] Re: Elmer300: First Experiment
by "Robert Roach" <KE4QOK@worldnet.att.net>
68) [15108] Adel Nibbling Tool
by "Jim Kortge, K8IQY" <jokortge@MCI2000.com>
69) [15109] ARGO II SALE
by dunk@otherside.com (John Dunker)
70) [15110] Tanner-White = "Kit-Boo" ?
by Conrad <radman@best.com>
71) [15111] ARGO II SALE
by dunk@otherside.com (John Dunker)
72) [15112] Kit-Boo price = \$40.00
by Conrad <radman@best.com>
73) [15113] Central California QRP Picnic
by Jerry Parker <jparker@fix.net>
74) [15114] Re: Central California QRP Picnic
by Ed Loranger <we6w@qsl.net>

Date: Mon, 13 Jul 1998 19:04:46 -0400 (EDT)
From: Bruce Muscolino <w6toy@erols.com>
To: "Francesco L." <ik8vwa@hotmail.com>
Cc: QRP-L@Lehigh.EDU
Subject: [15041] Re: Info
Message-ID: <2.2.16.19980713185541.232f6ade@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>quarterly, I found that it's possible to transmit in cw with a normal
>handytalkie (it's written in the magazine of January 1998, page 9,
>column entitled Radios) plus a so called "MCW". Can you help me to
>understand what it is and where I can find one of them if they are not
>expensive?

>
Francesco,

First, I have not read the article you mention. However, I am presuming it refers to using FM Handi-talkies commonly used for repeater access and short range point-to-point communication. An FM transmitter generates a carrier whenever it is keyed. FM modulates by changing the frequency of the radiated signal, not its amplitude like AM or SSB.

So, if the HT will generate a carrier of whatever frequency you have it tuned to you can generate CW simply by pressing the Push-To-Talk (PTT) switch. If you want to be more elegant you can connect a key across the switch and key the transmitter that way.

OK, so much for transmitting. But, the problem is with receiving. If you listen to an HT being keyed what do you hear? Nothing! That's right, nothing. The squelch is actually is "broken" by the incoming signal but there is nothing there for the FM receiver to demodulate. The discriminator circuits work to reject AM signals and a CW signal turns out to be a form of AM because its intelligence is contained in being turned on and off. To use a HT for CW communication you need to modulate it with a tone.

MCW is an abbreviation for Modulated Continuous Wave telegraphy. It is a mode used occasionally and is legal for amateur operation in many countries. You should verify that your PTT permits MCW operation in the frequency range you want to use. Then it is a pretty simple matter of building a tone generator that produces a CW note that you like (say 750 Hz, or whatever) and connecting it in place of the microphone. I believe there was an article published in the British magazine Practical Wireless a year or two ago on building such a tone generator for just this purpose.

You could actually use a code practice oscillator and key the HT with it's Push to Talk switch but you'd need to be careful about background noise. I do advise caution, though; first be absolutely certain it's legal and second don't use this mode through a repeater -- you will not make any friends! Use it only simplex.

73 and Ciao,

Bruce
W6TOY/3

Date: Mon, 13 Jul 1998 18:36:52 -0500
From: "Dale Botkin" <dbotkin@probe.net>
To: <DasherM@IRWIN.ARMY.MIL>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [15042] RE: PC Board
Message-ID: <000201bdaeb7\$1d105620\$0601a8c0@livingroom.botkin.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That would be me. If you - or any others - sent cash or a check and have not received your box yet, please let me know via email (not to the list). I thought I'd gotten everyone taken care of, but I think I missed a couple still. Let me know, I have a few more ready to go.

Dale

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> Dasher, Mark

> Sent: Monday, July 13, 1998 4:49 PM

> To: Low Power Amateur Radio Discussion

> Subject: PC Board

>

>

> About 6 weeks ago, a gentleman offered to ship PC Board for postage.

> Does anyone have his e-mail address?

>

> Thanks es 73 Mark KF6LUD

Date: Mon, 13 Jul 1998 20:17:01 -0500

From: "George T. Baker" <w5yr@swbell.net>

To: ghanson@uts.cc.utexas.edu

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [15043] Re: 2N2222 Receiver Working

Message-ID: <35AAB18D.F6B0B38D@swbell.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The "Five Deuces Receiver"

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Gary R. Hanson wrote:

>

> Hi Gang,

>

> Well, I have my 2N2222 receiver working

<big snip>

Date: Mon, 13 Jul 1998 21:20:10 EDT
From: penzo@JUNO.COM (Michael A Penzo)
To: jokortge@mci2000.com
Cc: qrp-l@Lehigh.EDU
Subject: [15044] Re: Elmer 101: T1 not peaking
Message-ID: <19980713.195712.4831.2.penzo@juno.com>

Jim,
I changed C1 to 68pf and T1 peaked just like it should! I also changed
R9 to 1 meg and the sidetone is just about right.
Thanks for your help,
Mike, KT4FJ
Stafford, VA.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 20:26:33 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: crucis@sky.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15045] Re: Fish Story or Know
Message-ID: <35AAB3C9.EC4E2722@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bet the neighbors appreciated the light since they sure couldn't watch
TV while he was on! ;^)

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Mike - W0TMW wrote:

>
> I had a friend some years ago (Tom, WB8JLB) who ran his home-brew HF amp into a
> ground mounted vertical. On 75M, at night, you could read a newspaper off the
> coronal discharge at the tip of the vertical.
>

> Mike - W0TMW

Date: Tue, 14 Jul 1998 00:29:35 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [15046] Brown Bros Paddle rejuvenation - parts needed
Message-ID: <199807140129.UAA21788@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

After seeing K5F0's work on his paddddles I am motivated to get mine into some kind of shape. Hope I can do as good a job as Chuck did.

If you haven't seen his work check in on his web page.....

I have a unit that I acquired sometime which has no base, and someone has filed the knurling off of one of the thumbnuts. Why? who knows...

If anyone has a base or one of the thumbnuts that they would be willing to part with
please give me an email....

72,
Larry KA5T

Date: Mon, 13 Jul 1998 20:49:40 -0500
From: k5zty@juno.com
To: qrp-1@Lehigh.EDU
Subject: [15047] trade: Bug for Paddle
Message-ID: <19980713.213250.6894.0.k5zty@juno.com>

I have a chrome deluxe Vibroplex Bug with red handles complete with 2 factory weights and one homemade brass oversized weight . It is complete with the shorting bar for tune up that has a red handle on it too.
I would like to trade it for a chrome deluxe Vibroplex Vibrokeyer paddle.

If interested, email me off the list.

Thanks,
Bill, K5ZTY

Houston, TX
k5zty@juno.com
QRP-L # 473

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 18:35:22 -0700
From: Brian Chesire <BCChesire@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [15048] MAIL BOMB!!
Message-ID: <35AAB5DA.4C5D@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To whoever has their computer clock set a year ahead or something
similiar, please reset before mailing. It bombs "my" netscape out of
existence, as soon as I get to that particular message.

This happened sometime last year, and the only cure was to delete my
inbox and inbox.snm files. I got a little smarter since then, and just
edited out all of todays messages in the inbox and deleted inbox.snm.
I'm back up and running.

73's and PLEASE Check your DATE and TIME
WA5PP0

Date: Mon, 13 Jul 1998 21:41:26 EDT
From: sigcom@juno.com (Stephen M Smith)
To: qrp-l@Lehigh.EDU
Subject: [15049] C.B. to 10 meters (long)
Message-ID: <19980713.182846.8143.2.sigcom@juno.com>

Group,

For you folks interested in getting on 10 meters with a converted C.B.
set, here's some information that I've gleaned by downloading PLL
manufacturer's data sheets and cruising C.B. radio "mods" sites (yecch).

"Easy" radios are the older ones such as the 1970's Hy-Gain boards in

which the PLL chip has the programmable divider programming lines brought directly to the outside. An example of those chips are the PLL-02 and PLL-03. Those are the chips that really got the "Free-Banders" rolling since just about any joker who knew which end of a soldering iron to hold onto could perform the conversion. With those chips, it's simply a matter of setting the proper inputs to the programmable divider lines and re-aligning the radio. Typically, Joe Mod would just tie an unused programmable divider line on the PLL chip to the channel 9 or PA switch on the radio's front panel and move the 40 channels up by some increment.

"Hard" radios are the newer ones manufactured within the last 10 years or so which use PLL chips that have an internal ROM which drives the programmable divider. The ROM has only the C.B. channels mask programmed in it and none of the programmable divider lines are brought to the "outside world". Bummer. An example of those chips are the LC7185 and NPC5122. Radios using these chips can't get much simpler and really are pretty slick as they use one just one crystal oscillator, 10.240 MHz for the reference/clock and 2nd mixer injection. The first IF is 10.695 MHz and the 2nd IF is 455 KHz. IMO, the simplest conversion for those radios would be to install a conversion board such as Steve Weber is designing.

The reason for the manufacturers going to the newer PLL chips is economic. These days, LSI is dirt cheap and the new designs drastically reduce the manufacturing cost by eliminating a complicated and expensive channel selector switch and a lot of other parts. The channel selectors in the older radios were actually mechanical ROMS which generated the proper inputs to the programmable divider in the PLL chip. Those switches also had lines to drive the 7-segment LED displays. Later PLLs with ROMs just use either a BCD encoded rotary switch to address the ROM or even simpler, an internal counter which steps up or down depending upon which of 2 pins on the chip are selected. The output of the counter addresses the ROM. These chips also usually have a pin or pins, which when selected, automatically switch the radio to channel 9 (emergency) or channel 19 ("This here's the Rubber Duck, come on...").

There are plenty of schemes around to get the newer radios to go out of the C.B. band like external oscillator/mixers, etc., but none of them can hold a candle to the board Steve Weber is designing. Of course, his design has some real "horsepower" having a PIC on board.

That's it. If I dig up anything new, I'll post it to the list.

73.....Steve, WB6TNL Oxnard, CA QRP-L # 621 NorCal Zombie # 2065
SCQS # 41

ex-WN6TNL (1967)

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 21:47:46 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [15050] KC-1 question
Message-ID: <35AAB8C2.6B65EF59@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anyone put the KC-1 unit in an HW-8???

If so, what are the connections.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

QRP-L #1618 QRPARCI #8634 ARRL Life Member

Author of: RADIO MONITORING The How-To Guide

ISBN 1-56866-101-0

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<http://www.electricti.com/~ipgbooks>

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Mon, 13 Jul 1998 21:58:36 -0700
From: kaliic <kaliic@ime.net>
To: qrp-l@Lehigh.EDU
Subject: [15051] re: fractal antennas

Message-ID: <35AAE57C.6D03@ime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi everybody,

Does anyone have any 'hard info' on fractal antennas? I ran across a web site that discribed them but it lacked the hard data needed to build such a device.

If the little data I have is correct you can use a full wave loop in half the space, this might make it possible to construct an loop type antenna for 80 meters that would take up the same room as a 40 meter loop.

Any help would be greatly appreciated.

72 & 73
Vince
ka1iic
-.-.-

Date: Mon, 13 Jul 1998 20:58:23 -0600
From: Mike - W0TMW <crucis@sky.net>
To: w5yr@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15052] Re: Fish Story or Know
Message-ID: <35AABB3F.F764AF82@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Didn't have to worry about TVI, other than his own. No one around for a couple of miles!

MIke

George T. Baker wrote:

>
> Bet the neighbors appreciated the light since they sure couldn't watch
> TV while he was on! ;^)
>
> 72/73, George

> Amateur Radio W5YR, 52 years and counting!
> QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
> AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)
>
> Mike - W0TMW wrote:
> >
> > I had a friend some years ago (Tom, WB8JLB) who ran his home-brew HF amp into
a
> > ground mounted vertical. On 75M, at night, you could read a newspaper off the
> > coronal discharge at the tip of the vertical.
> >
> > Mike - W0TMW

--

```
=====
Mike Watson, W0TMW           QCWA Mbr # 28651, Chap. 35
Raymore, MO USA             Grid: EM28st ARCI# 9647
http://www.sky.net/~crucis
E-mail: crucis@sky.net      ARS# 352, QRP-L# 1489
=====
```

Date: Mon, 13 Jul 1998 23:19:55 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <BCChesire@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [15053] Re: MAIL BOMB!!
Message-ID: <199807140206.8375000@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Brian Chesire <BCChesire@worldnet.att.net>; owner-qrp-l@Lehigh.EDU
>
> To whoever has their computer clock set a year ahead or something
> similiar, please reset before mailing. It bombs "my" netscape out of

My mailer shows the date and time I received the message, so I never saw
any problems, but a quick peek through this month's folder reveals 2
interesting messages:

Date: Wed, 22 May 1996 19:52:47 -0400
Reply-To: hhurst@delaware.infi.net

and

Date: Sat, 12 Jul 2008 00:34:17 -0400
Reply-To: LSPIN23@prodigy.net

Wonder which one it was gotcha?

72/73 de WB8RCR
didileydadidah

Date: Mon, 13 Jul 1998 22:31:46 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, <ARDUJENSKI@aol.com>
Subject: [15054] EMERGENCY COAX CONNECTORS
Message-ID: <199807140234.WAA34002@pimout4-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Alan and gang,

I've used the Radio Shack solderless type with RG-58 coax, the type with a small set screw that breaks the outer insulation and shorts to shield.

Not exactly the best for long-term use, but it got me back on the air with minimum fuss. I was in Boca Raton two years ago, and the coax broke away from the PL-259 to the rig. I drag my friend to the mall to hit Radio Shack. Salesman 1 hits my friend up for a cell phone and Salesman 2 asks what I was doing, and I explained to him about my dipole, 30M, etc....

He then asks how I came up with the formula to cut the antenna, tells my friend I know "something" about electronics and then proceeds to tell me he's a PhD at the local University. I then did my best to test the connector with his volt meter and bolt on out of there. The hard sell for a \$2.59 connector!

I haven't been contributing much to the list lately. Good to be back.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 13 Jul 1998 22:53:06 -0400
From: "Jim Francoeur KC1FB" <jrfrancoeur@snet.net>
To: "qrp list" <qrp-l@Lehigh.EDU>
Subject: [15055] QRP-ARCI Sprint - I gave the wrong Number
Message-ID: <009d01bdaed2\$884f3760\$8f143ccc@foxden>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth, but I was vacationing at the New Jersey shore with my SST-20, NC-40A and a 40m horizontal loop up 8' on Sunday, when I heard what sounded like a QRP-ARCI contest. I only made three qso's on 40 running less than 1W, but I gave my number from memory (what's that?) as #6812 when it was #6281. All the right numbers, but not in the right order. So, if AC4QX, WA8RXI and NA3V are on the list, please make the correction.

72,

Jim Francoeur KC1FB QRP-L #29 QRP-ARCI #6281

Date: Mon, 13 Jul 1998 23:06:29 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: we6w@qsl.net
Cc: qrp-l@Lehigh.EDU
Subject: [15056] Re: Elmer300: First Experiment
Message-ID: <3.0.1.16.19980713230629.3fff1d42@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 08:21 PM 7/13/98 +0000, Ed Loranger wrote:

>
>I use a circular hole puncher from Harbor Freight tools.
>Spec'd for 3/16 aluminum or any leather goods. 6 or 7
>different hole sizes. Works well. Inexpensive.
>-Ed

Ed,,,I just got off the phone with Harbor Freight, and that punch is no longer available from them. :-(

I'll call tomorrow and find out if there is something else they recommend as a replacement.

I use an ADEL Nibbling tool, and I haven't found a source for

that yet either. Mine is about 40 years old and still going strong. The little chits that it produces are 3/32 X 1/4 inch, perfect little islands for connection points. And I'll stick with the super glue. It's fast and strong!

72.....Jim

```
Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
jokortge@mci2000.com | __o H.F. bicycle mobile
Fenton, MI | _`\<, Mizuho 17/40 SSB
... .. (*)/(*)
NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
Most recent - Iowa Mauritius

NorCal 38S/17 Log - 22 States; 51 Countries - Running 1.5 watts
Most recent - Alaska Ecuador
```

Date: Tue, 14 Jul 1998 10:27:33 +0700
From: "QRP-L" <pornchai@daisy.bu.ac.th>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [15057] FT-757 memory keyer
Message-ID: <000b01bdaed7\$56d8eaa0\$b8e794cb@joe.bu.ac.th>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-874"
Content-Transfer-Encoding: 7bit

How can I memory on FT-757 bulid in keyer?
Thank you for help.
Joe , HS2JFW

Pornchai Semjang ,Joe QRP-L #938
HS2JFW , N3YGP QRP-HS#1
Bangkok University or hs2jfw@hotmail.com
semjang@lily.bu.ac.th or hs2jfw@amsat.org
HomePage "http://www.qsl.net/~hs2jfw"
FTP "ftp://ftp.qsl.net/pub/hs2jfw"

Date: Tue, 14 Jul 1998 10:30:52 +0700
From: "Joe-<HS2JFW>" <pornchai@daisy.bu.ac.th>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [15058] Fw: FT-757 memory keyer
Message-ID: <001601bdaed7\$cdffc2f20\$b8e794cb@joe.bu.ac.th>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-874"
Content-Transfer-Encoding: 7bit

How can I memory on FT-757 bulid in keyer?
Thank you for help.
Joe , HS2JFW

Pornchai Semjang ,Joe QRP-L #938
HS2JFW , N3YGP QRP-HS#1
Bangkok University or hs2jfw@hotmail.com
semjang@lily.bu.ac.th or hs2jfw@amsat.org
HomePage "http://www.qsl.net/~hs2jfw"
FTP "ftp://ftp.qsl.net/pub/hs2jfw"

Date: Mon, 13 Jul 1998 20:45:10 -0700
From: dave_epps@juno.com
To: we6w@qsl.net
Cc: qrp-l@Lehigh.EDU
Subject: [15059] Re: Elmer300: First Experiment
Message-ID: <19980713.204510.6158.0.dave_epps@juno.com>

AT Dayton I heard that Dremel sells a cutter that will cut little
circular pads.
I haven't been able to find one. I've also seen articles about making
your
own, but I haven't tried it yet. If enough guys were interested maybe
Doug at SAn Luis Mach. could make them.
dave ab5pc fresno, ca.

On Mon, 13 Jul 1998 20:21:12 +0000 Ed Loranger <we6w@qsl.net> writes:
>Right On Jerry. I also am big on EPOXY for the
>islands.
>

>I use a circular hole puncher from Harbor Freight tools.
>Spec'd for 3/16 aluminum or any leather goods. 6 or 7
>different hole sizes. Works well. Inexpensive.
>-Ed
>--
>72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
><http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)
>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 23:02:37 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: jokortge@mci2000.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15060] Re: Elmer300: First Experiment
Message-ID: <35AAD85D.AF55BEB3@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Radio Shack used to sell a knock-off of the ADEL nibbler - don't know if
it is still in their catalog.

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Jim Kortge, K8IQY wrote:

<snip>

> I use an ADEL Nibbling tool, and I haven't found a source for
> that yet either. . .

<snip>

> 72.....Jim

Date: Mon, 13 Jul 1998 23:20:04 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15061] Re: Elmer300: First Experiment
Message-ID: <35AAD74.22DDB6CA@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Found my RS catalog: page 165, SKU 64-823, "Nibbling Tool" \$10.99,

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

George T. Baker wrote:

>
> Radio Shack used to sell a knock-off of the ADEL nibbler - don't know if
> it is still in their catalog.
>

Date: Tue, 14 Jul 1998 00:28:57 EDT
From: kb0rol@juno.com (Bradley L Mugleston)
To: qrp-l@Lehigh.EDU
Subject: [15062] /M
Message-ID: <19980713.220623.7759.2.kb0rol@juno.com>

Well, thanks to all the people out there I will be /M from Tomorrow
(Tuesday) through Saturday. I'm going with 34 scouts and leaders to
Lake Powell for some water skiing (8 hour drive, 3 to 4 hours by boat).

I will have Voice on 40M, 15M and 6M and CW on 40M, 30M, 15M and 6M. If
you here KB0ROL or KB0SJY give us a shot. If on CW work slow and clear
as I will try to have some scouts working the radios. I think we will
have a max of 3 watts out.

I'll give more details if and when I get back.

Thanks

de KB0ROL, Brad

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 14 Jul 1998 01:25:24 EDT
From: RangerSF5@aol.com
To: kb0rol@juno.com, qrp-1@Lehigh.EDU
Subject: [15063] Re: /M
Message-ID: <53b4853e.35aaebc5@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-07-14 00:31:42 EDT, you write:

<<

I will have Voice on 40M, 15M and 6M and CW on 40M, 30M, 15M and 6M. If you here KB0ROL or KB0SJY give us a shot. If on CW work slow and clear as I will try to have some scouts working the radios. I think we will have a max of 3 watts out.

I'll give more details if and when I get back.

How about give more details before you leave?

Like what band and time you'll be on that band so I don't go looking for you on CW at noon on 40 meters when your working SSB on 15.

I'll be in a Kayak going to my (away from city qrm) appx 1600 UTC.

I'll call you on 40 CW on 7.040

Bob

WA2HOQ

Date: Tue, 14 Jul 1998 17:30:08 -0400
From: "Harry T. Hurst" <hhurst@delaware.infi.net>
To: <qrp-1@Lehigh.EDU>
Subject: [15064] Re: MAIL BOMB!!
Message-ID: <199807140942.FAA10814@fh101.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Whoops! sorry guys.

This is my only machine that doesn't have software to automatically set the time. I hadn't realized it was so far behind.

> From: John J. McDonough <jjmcd@tm.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Re: MAIL BOMB!!
> Date: Monday, July 13, 1998 11:19 PM
>
> > From: Brian Chesire <BCChesire@worldnet.att.net>;
owner-qrp-l@Lehigh.EDU
> >
> > To whoever has their computer clock set a year ahead or something
> > similiar, please reset before mailing. It bombs "my" netscape out of
>
> My mailer shows the date and time I received the message, so I never saw
> any problems, but a quick peek through this month's folder reveals 2
> interesting messages:
>
> Date: Wed, 22 May 1996 19:52:47 -0400
> Reply-To: hhurst@delaware.infi.net
>
> and
>
> Date: Sat, 12 Jul 2098 00:34:17 -0400
> Reply-To: LSPIN23@prodigy.net
>
>
> Wonder which one it was gotcha?
>
> 72/73 de WB8RCR
> didileydadidah
>

Date: Tue, 14 Jul 1998 17:52:34 -0400
From: "Harry T. Hurst" <hhurst@delaware.infi.net>
To: <qrp-l@Lehigh.EDU>
Subject: [15065] Tanner-White Receiver Kit
Message-ID: <199807141004.GAA26571@fh101.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Here I go again. I ran across the kit on the web. The kit sounds good to

me, single-signal, build for any band, easy to modify etc...

I haven't seen anyone mention this kit here and I'm wondering why? Is it because it's not a transceiver? Because it's NFG? Because it's built on a large pc board? Because it's been around too long? Because the web pages about it are too gushy? hmmm...

Anyway, if you have one of these radios, I'd appreciate hearing your opinion. If you hate trolls as much as I do, you can email me instead of posting on the list. Thanks!

Date: Tue, 14 Jul 1998 06:33:47 -0400
From: Richard Powell <ripowell@mpna.com>
To: qrp-1@Lehigh.EDU
Subject: [15066] Re: Elmer 101: T1 not peaking
Message-ID: <1.5.4.32.19980714103347.0074f9dc@smtp.mpna.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

wait a minute, i'm still here! just not talking much!!!
so i guess that makes 3...
73
/rick

At 07:49 AM 7/13/98 -0400, you wrote:
clip
>side tone (less mute). This will be covered later in the next section
>for the two students remaining :-(
>
>72 de ku4qo
>Mike Maiorana
>Palm Harbor, FL
>
>
>
-
Richard Powell WB6JBM TENTEN - 13044

Senior Network Engineer, Belcan IT Division
MCSE, CNA.
ripowell@mpna.com <http://www.mpna.com/ripowell>

Date: Tue, 14 Jul 1998 06:56:22 -0400
From: "Peter Orban" <peter@peter237.imti.nrc.ca>
To: qrp-l@Lehigh.EDU
Subject: [15067] Re: QRP-L digest 1151
Message-ID: <9807140656.ZM23362@peter237.imti.nrc.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I picked up a free board at a ham flea market over the weekend I would like to find out more about it. The board has the following main modules on it as far as I can tell:

- A synthetised oscillator using the MC145106 and MC12013 chips with two crystals in it, marked 10.240 and 27.400. All the coils in the synthetizer are metal slug tuned.
- A 5.12 VCXO, the output of it probably multiplied, as it progresses through the stages, it first has ferrit cored coils, while the last couple of coils have metal tuning slugs. The VCXO has about 8 LS TTL MSI and SSI chips before them controlling it, consisting of counters, flip-flops, and simple gates.
- There is probably a mixer, marked DBM2 on the circuit board, that gets the output of the osc. and the multiplied VCXO. The mixer looks just like a MiniCircuit DBM, no markings on them, and it only has four pins, and not eight.
- After the mixer there are more transistors and coils, but all tuned by ferrit slugs. The end of that chain goes to a coax stub, that was cut off, probably the RF in/out.
- From that coax stub, there also goes a filter chain, this with air core and metal slug tuned coils.
- After that filter there is another of that no-name mixer, and there is a crystal marked 37.850 next to it. It is also next to that synthetiser.
- The mixer feeds a 10.7MHz IF strip with ceramic filters and TA7061 and TA7130 ICs. At the end of the IF strip there is a LM311 chip.

- All connections to that board are via that coax and a 26 pin header connector.

The board is beautifully made, silk screened, about 6"x10" in size, on one side there is 8042 (date?) stamped on it with the serial number, on the other side marked Part No GE-80B-1774, Network Resources Corp, Japan.

I am wondering what frequency range would that board have worked, what are those funny looking double balanced mixers, and in general, if the board is useful for something, I have no 2m or 70cm equipment yet, or just for harvesting parts.

Any help would be appreciated!

Thanks for reading it, Peter, VE3PEY

--
--

Peter E. Orban
National Research Council of Canada
e-mail: peter.orban@nrc.ca

Date: Tue, 14 Jul 1998 06:59:46 -0400 (EDT)
From: Bruce Muscolino <w6toy@erols.com>
To: jokortge@mci2000.com
Cc: QRP-L@Lehigh.EDU
Subject: [15068] Re: Elmer300: First Experiment
Message-ID: <2.2.16.19980714065037.2e7f7e28@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>

>Ed,,,I just got off the phone with Harbor Freight, and that
>punch is no longer available from them. :-(

>

I have a hole punch on order from Micro-Mark in New Jersey -- you can find their ads in any model railroading magazine -- that looks like it should do the job. I will report on it when I have it and the time.

Date: Tue, 14 Jul 1998 09:32:27 +0100
From: Dick G0BPS <G0BPS@kanga.demon.co.uk>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15069] Re: spelling
Message-ID: <RiI5WaAbexq1EwsW@kanga.demon.co.uk>
MIME-Version: 1.0

In message <Pine.SOL.3.96.980712225444.13143B-100000@vortex>, Monte Stark <ku7y@dri.edu> writes

>> Most people cannot spell the colourful English language or the equally
>> colorful American language.

>

>No wonder I have so much trouble. I don't have color!

Wow, nor do we here in the UK, we have colour !!! :-)

'u' know it makes sense...

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Tue, 14 Jul 1998 19:28:54 -0400
From: cy r currier <crc3@telplus.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>,
"'jdenison@morelr.com'" <jdenison@morelr.com>
Subject: [15070] RE: De-Fin-A-Tive words on the spalling thread & QRP OPEROTATION
Message-ID: <01BDAF5D.C57D8980@bgr118.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

joel

u outdid ur self this time ol buddy(oops maybe ur a young buddy). i'll be glad when ur well enough to get back on the air. i don't know how much more of this i

can stand to enjoy. cy - k1tes

From: JOEL DENISON
Sent: Monday, July 13, 1998 5:55 AM
To: Low Power Amateur Radio Discussion
Subject: De-Fin-A-Tive words on the spalling thread & QRP OPEROTATION

High Gang:

We all no the amportance of proper spleaking and that shuld cary over to spealing allso...

The objection hear is to co-munne-a-cate information to another parson soooos dey can anderstand it... Write!!!!

Now in destruction of a kit u must use the correct part numbers (spalling) or a 2n2222 becomes a 2m2222 seareus situation... and what really gets me is when no one uses capital letters when sending morse code... Terrible...

Is his name dan or Dan???? U laugh!!! This is imperative!!!!

UNLESS

the righter can get the mess-age across to the other person in spite of any mispallings... let's say us sent qts instead of qth in a qso or QSO (correct spealing) It's bad enough to do this at qrp or QRP levels but can u imagine at qro power... oh the shame...

Do like I do and put a list of the q siganals in font of knew and duble check ur spealing... really helps the qso go smoooother...

also note that learning to spell many words correctly wil hep u out when sending and receiving morse code at higher speeds where u start recognizing words, head copy and all that good stuffs...

To summer-rise all this... if u r dealing with part numbers, learn to spel them correctly... if u r writing (at least to me) speal good enough for me to understand what u are saying and all is perfect ...

And, of course, my pet irritation, DON'T FORGET TO PUT THE CAPITAL LETTERS IN THE CW WHERE THEY BELONG... :-)

Lettuce prey this thread ends heah...

God Bless

joel,wa5cvm, in maine, whare it sneauxs...

God Bless

Joel

WA5CVM

Joel Denison
PO BOX 542
Strong, Maine 04983
jdenison@morelr.com
here

Gentle Lady (RC Sail Plane)(049 engine - start)
DIPOLE on 40mtr
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
Use strong nets guys, the crawfish are big over here

Date: Tue, 14 Jul 1998 07:12:39 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-1@Lehigh.EDU
Subject: [15071] UPDATE ON 40/80 WIRE ROPE TREE HALF SQ.
Message-ID: <199807141212.HAA26570@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

HIGH GANG

did A FEW minutes of listening last nite on forty I heard ark
(59)qrp yet... F5, OE2, W8WW, HA2 (S9) new mexico, W1KX, W1GU... COULD NOT
HEAR ALASKA... SOMEONE ON NET FROM ALASKA BUT i NEVER HEARD THEM

SIGNALS VERY LOUD ON EIGHTY, CHECKED INTO A NET, CW... NEVER
MENTIONED QRP THEY DIDN'T ASK... SO SIGNAL DOING FB...

NOISE ON FORTY LAST NITE WAS ABOUT AN S4 and signals (on dx) was up
to s9... should be interesting with another element added... don't no when
I'll get around to that however... I like this ant... and maybe next pay day
I can get a roll of twin lead and eliminate the splices in this one... maybe
even cut it for an even half wave on forty... see if it will help the
matching...

Oh, the sheer joy of it all... :-)

bye now

Y'all be pretty

joel, wa5cvm, in maine, half way up the hill... so what's new... :-)

God Bless

Joel

WA5CVM

Joel Denison Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542 DIPOLE on 40mtr
Strong, Maine 04983 QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com Use strong nets guys, the crawfish are big over here

Date: Tue, 14 Jul 1998 08:29:57 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [15072] Re: QRP-ARCI Sprint - I gave the wrong Number
Message-ID: <35AB4F45.44DF@arrl.org>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I believe the preferred procedure is to send in a log clearly indicating the exchange you actually sent--allowing contest managers to cross check logs for accuracy. The receiving station is expected to have actually copied what you sent, as oppose to what you should have sent.

--Zack Lau W1VT

Date: Tue, 14 Jul 1998 14:00:20 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [15073] Elmer300 and 200 status report
Message-ID: <199807141300.0AA06671@chuck.dallas.sgi.com>

Gang,

I know that there is probably some confusion on just how this is all going to work, but I think it will be OK. Gotta remember that this hasn't been done before on the Internet and this group is breaking in new ground (I think). Everything is subject to modification and the whim of the students and instructors.

In August, about the second week, I will start the series on Oscillators for the Elmer200 series. I'll post a list of reading materials (including but not limited to type of list) and some ideas on recommended test equipment for simple experiments and then more high dollar equipment for more advanced experiments. This towards the end of this week. This does take time to do, so please standby. Oscillators are interesting and probably the most important electronic circuit known to mankind today. They are literally everywhere and in a lot of stuff from watches, radios, cell phones, TV, etc.

Jim is working on a Mouser list of parts for the Elmer300 2N2222a XCVR and will have that sometime in the next few weeks. He is working on double checking things and you have to remember he hasn't seen his rig in some time.... :-)
Also a booklet is being done by Jim and Paul, I think that is still on, for people that want hardcopy with fancy graphics etc. and could be used as a guide for people that want to also later Elmer hometown groups and have personal tutoring sessions going on in a classroom scenario. Hey, here is an idea,

some schools and universities may want to take this project up, like the NC40a in CA, for a EE course. Jim, K8IQY, will be famous already..... All this from Wayne Burdick's (N6KR) 2N2222 contest idea posted on QRP-L and the NorCal sponsored building contest in Dayton.

Also, on the Mouser list. I am sure that there will be some that will come up with additional support with partial kits or whatever. Volunteers will come out of the woodwork with scrap PC board etc. for the cost of material and shipping, etc. This group is a huge resource of ideas and materials.

So, the Elmer300 project we may want to push off until late September timeframe to give everyone a chance to get all the parts, do some preplanning and some posts before that time on just how to go about making the "islands" and finding the right tool, etc. I find that the R/S nibbler that I have is just not quite right for me to get the little islands a comfortable size. They are just a little too small.

So, just a relatively short note to make sure that we all have some idea about the timelines. Elmer200 on Oscillators to start in August and Elmer300 on complete XCVR to start late September or early October.

We do have a number of people working on this project and ideas are flowing all over the place.

Thanks for the support and the interest gang. This is fun.

Some topics that I am thinking about (hey, this is going to be a book someday): <BTW, this is all lab stuff, not just the theory. If you don't build or experiment, then you are missing the fun and educational stuff. IMHO. "Be a horn tooter, not a horn totter." - Wink High School Band Hall, Wink TX.>

- Elmer200 - Oscillators
- Elmer201 - Power Supplies, Batteries, etc.
- Elmer202 - Mixers
- Elmer203 - Amplifiers
- Elmer204 - Bandpass and Crystal Filters
- Elmer205 - Transistors
- Elmer206 - Test Equipment
- Elmer207 - Antennas
- Elmer208 - Trouble shooting techniques
- Elmer209 - PA design and construction
- ...

- Elmer300 - 2N2222a XCVR by Jim Kortge, K8IQY (The Manhattan Project)
- ...

- Elmer600 - TenTec 515 Argosy HB rig
- ...

Elmer1000 - FT-1000 with 1,000 2N2222a's

Yes, all this stuff is in the ARRL Handbook, W7ZOI's books, and at sometime probably discussed and cussed on QRP-L, but there are still a relatively large number of individuals that need more information and want to ask questions that they can't find the answers to in the literature. You remember how it was in a classroom situation where you had a teacher to ask specific questions that you wanted answers to. There is no way that I or anyone else can answer 100% of the questions, but there is someone else lurking on the list that can help. I personally learn something new everyday from this group. It is what keeps it alive as we each find some little gem almost everyday. And just what is Elmering anyway? Isn't it helping others in the spirit of the days when information was scarce and difficult to find?

FYI es dit dit

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 14 Jul 1998 14:08:32 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [15074] Solar Stuff
Message-ID: <199807141308.0AA06707@chuck.dallas.sgi.com>

If you haven't been watching

<http://www.dxl.com/solar/>

daily, then you are obviously not getting on the air.
Neat way it turned around yesterday. Something that
I wasn't expecting when I looked yesterday.

The Solar Flux and the Sunspot Number started back up
(the SF hit a low of 100, which we last saw it that low
about June 23rd) and the Planetary A Index started down.
Too bad we didn't have this kind of realtime data back
in 1957 during the greatest cycle of all time.....

Remember the time over the last few years when we thought
it was going to be some time before we saw SF=>100???? :-)

FYI

Chuck Adams K5FO Dallas,TX CP-60
http://reality.sgi.com/adams adams@sgi.com

Date: Tue, 14 Jul 1998 09:58:05 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>, homebrew@qth.net
Subject: [15075] Spectrum Analyzer Article in Aug 98 QST
Message-ID: <21E06269B00ED111BE9B00805F6D0FA32D8FC4@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

The referenced article written by Wes Hayward W7ZOI and one other ham(sorry I don't have the name with me). Its looks like a great possiblity for a KIT. Is there anyone out there thinking about kitting the parts and PC boards? I, for one, would be like to buy a kit. The SA could be made by individuals using a variety of techniques but a KIT would provide a uniform platform for a lot of us that can't afford a commerical SA unit. Good reading. This was Part One of a two part article. I've been looking for this solution for a long time. Way to go Wes!

Sam AE4GX
T

Date: Tue, 14 Jul 1998 07:28:03 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Dick G0BPS <G0BPS@kanga.demon.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15076] Re: spelling
Message-ID: <Pine.SOL.3.96.980714072618.17426A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 14 Jul 1998, Dick G0BPS wrote:

> >> Most people cannot spell the colourful English language or the equally
> >> colorful American language.
> >
> >No wonder I have so much trouble. I don't have color!

>
> Wow, nor do we here in the UK, we have colour !!! :-)
>
> 'u' know it makes sense...

But for Wayne Green in makes cents..... :-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 14 Jul 1998 08:41:01 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Jay D Miller <jaywa5whn@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15077] Re: Glacier - Waterton International Hamfest QRP Seminar
{Montana-USA}
Message-ID: <Pine.SOL.3.91.980714083641.1486A-100000@gpfn1.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Jay!...my wife & I will be leaving Regina on Thursday to attend the
Glacier/Waterton Hamfest (the 64th I believe) for the 11th time...great
time and about 500 to 600 +/- in attendance...the hamfest is usually
finished at 12 noon on Sunday so maybe the QRP presentation will be on
Saturday afternoon....if so, I will be there!...hope you are able to make
it and that we have an eyeball...I believe I know of 2 other qrpers who
plan to be there as well...72 - Bruce(VE5RC+VE5QRP)-ps- we'll be staying
at the Mountain Pine Motel (next to the Glacier Lodge) in East Glacier
and driving the 16 miles to 3 Forks for the hamfest.

Date: Tue, 14 Jul 1998 11:00:11 -0400
From: Peter_Simpson@ne.3com.com
To: mlynch@skynet.net, qrp-l@Lehigh.EDU
Subject: [15078] Rechargeable battery references
Message-ID: <85256641.00519054.00@usboxmta.ne.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

A couple of books full of useful charge and discharge information courtesy of GE and Gates. The interesting thing (and I only realised it while copying down addresses) is that they appear to be written by the same engineering group!

Nickel Cadmium Battery Applications Engineering Handbook, 2/e, 1975, General Electric Battery Business Department, POB 861, Gainesville, FL, 32062, Document number "GET 3148A"

Sealed Rechargeable Battery Applications Manual, 1989, Technical Marketing, Gates Energy Products, POB 861, Gainesville, FL 32062. (904) 462-3911

Before you grab the phone and call these people, realize that these books are 10 and 24 years old. There's still good information, but you'll probably only find them at a flea market. They are both about 200 pages. The GE one is pocket size, and the Gates one is 8-1/2 x 11.

Having said that, I'm fairly sure the same information is available from some of the major battery manufacturers if you ask nicely. It may even be worth sending a note to POB 861 in Gainesville, and seeing what comes back :-)

72,
Peter, KA1AXY

Date: Tue, 14 Jul 1998 10:07:45 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: qrp-l@Lehigh.EDU
Subject: [15079] [Fwd: Antenna Analyzer]
Message-ID: <35AB7441.821E3A1E@swbell.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----F17F47B89EA6BB6E6952B89E"

This is a multi-part message in MIME format.
-----F17F47B89EA6BB6E6952B89E
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

-----F17F47B89EA6BB6E6952B89E

Content-Type: message/rfc822

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

Message-ID: <35AAE378.D388F3B6@swbell.net>

Date: Mon, 13 Jul 1998 23:50:00 -0500

From: "George T. Baker" <w5yr@swbell.net>

Reply-To: w5yr@swbell.net

Organization: AutoPOWER Systems

X-Mailer: Mozilla 4.02 [en]C-DIAL (Win95; U)

MIME-Version: 1.0

Newsgroups: rec.radio.amateur.antenna

Subject: Antenna Analyzer

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I am presently using the Autek RF-1 analyzer and am well pleased with it. However, I have become curious about the AEA analyzer which appears to offer several additional capabilities.

I would appreciate any comments regarding the AEA unit, particularly in comparison with the Autek.

I realize that the AEA is more expensive, but I would appreciate comments based upon the relative performance capabilities of each unit, without regard to the price differential.

Many thanks.

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

-----F17F47B89EA6BB6E6952B89E--

Date: Tue, 14 Jul 1998 08:22:18 PDT

From: "Brad Hernlem" <alihernlem@hotmail.com>

To: QRP-L@Lehigh.EDU

Subject: [15080] CA3054

Message-ID: <19980714152219.403.qmail@hotmail.com>

Content-Type: text/plain

I recently scrapped an old hard drive and discovered a couple CA3054 chips on board. These are dual differential amplifier chips which I understand can be made to work as a double balanced mixer or product detector. Does anyone have any experience to share or advice in using these chips for QRP service?

Thanks,
Brad

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 14 Jul 1998 08:27:40 -0700 (PDT)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [15081] Sierra band modules located
Message-ID: <199807141527.IAA23142@heracles.llnl.gov>

Just received a note from Bill, W6JRL, to the effect that he has located band modules for his Sierra. He got them from Wilderness Radio.

Thanks
Allan K7GT

Date: Tue, 14 Jul 1998 08:30:52 -0700 (PDT)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [15082] 38 Spcl schematic details
Message-ID: <199807141530.IAA23153@heracles.llnl.gov>

I recently purchased a 38 special made up in a nice box and with the power mod and Tick keyer mod. Unfortunately I did not receive the original construction information. The published schematic in QRPP doesn't include the power amp mod or the Tick keyer mod. I would be very appreciative to have someone copy their 38 special schematic WITH those mods and the original construction info. Will reimburse, of course!

73 Allan K7GT k7gt@qsl.net

Date: Tue, 14 Jul 1998 08:32:18 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: QRP-L@Lehigh.EDU
Subject: [15083] Help Identify Transistors
Message-ID: <19980714153218.18198.qmail@hotmail.com>
Content-Type: text/plain

Could someone please help identify the following transistors from an RF amplifier?

1. These are NPN metal can (maybe TO-39) transistors stamped with an "S" in a black square (Siliconix?) below which are the following identifiers: R2BS509 (line 1), 7231A (line 2).
2. These are stud mount NPN (maybe TO-59) transistors stamped again with the "S" and then the identifier: R1SZ504 7228 A

Thanks,
Brad

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 14 Jul 1998 10:38:54 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: hhurst@delaware.infi.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15084] Re: Tanner-White Receiver Kit
Message-ID: <35AB7B8E.21B4A83F@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What's the URL?

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Harry T. Hurst wrote:

>
> Here I go again. I ran across the kit on the web. The kit sounds good to
> me, single-signal, build for any band, easy to modify etc...
>
> I haven't seen anyone mention this kit here and I'm wondering why? Is it
> because it's not a transceiver? Because it's NFG? Because it's built on a
> large pc board? Because it's been around too long? Because the web pages
> about it are too gushy? hmmm...
>
> Anyway, if you have one of these radios, I'd appreciate hearing your
> opinion. If you hate trolls as much as I do, you can email me instead of
> posting on the list. Thanks!

--

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Tue, 14 Jul 1998 08:54:44 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Brad Hernlem <alihernlem@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15085] Re: CA3054
Message-ID: <Pine.BSI.3.96.980714085310.8012A-100000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 14 Jul 1998, Brad Hernlem wrote:

> I recently scrapped an old hard drive and discovered a couple CA3054
> chips on board. These are dual differential amplifier chips which I
> understand can be made to work as a double balanced mixer or product
> detector. Does anyone have any experience to share or advice in using
> these chips for QRP service?
>

Absolutely. This is the device I used in my feedback mixer
(patent in process) in the October 1997 issue of RF Design. Very good
device for IF AGC and active mixer circuits, including product detectors.

/,-----.
/ What's all this \

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Tue, 14 Jul 1998 11:55:09 -0400
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: w5yr@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15086] Re: Tanner-White Receiver Kit
Message-ID: <35AB7F5D.F2B5FA75@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For a review look at :
<http://www.pan-tex.net/usr/r/receivers/ra01006.htm>

Tom, kv2x

Date: Tue, 14 Jul 1998 10:00:05 -0600 (MDT)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-l@Lehigh.EDU
Subject: [15087] CB to 10 Mtr. Mod
Message-ID: <Pine.OSF.3.91.980714095235.7772A-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I stopped off at Radio Shack last night and got one of the 21-1701 CB rigs on sale (\$40) in anticipation of the CB to 10 meter mod. project talked about recently. If we can figure out how to modify it, this unit should make a very nice portable rig. It's too bad that A2 mode (tone modulated CW) isn't legal on 10 meters. It would be an easy way to get both AM and CW in one rig.

Jim Rybak W0KSD

Date: Tue, 14 Jul 1998 09:31:29 -0700
From: Conrad <radman@best.com>
To: "'w5yr@swbell.net'" <w5yr@swbell.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15088] RE: Tanner-White Receiver Kit (Tanner or Jade..?)
Message-ID: <01BDAF0A.2EDB4E20.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Geroget al,

RE: the "Tanner-White" receiver....

Check URL:
<http://www.pan-tex.net/usr/r/receivers/ra01006.htm>
(review)

Tanner Electronics in Dallas, TX sells them: 972-242-8702
(out of stock ~ \$40.00)
BG-Micro in Dallas, TX sells them: 1-800-276-2206 (\$44.00)

Another consideration is the "JADE OPTICALLY COUPLED
RECEIVER KIT, By N1BYT"

URL: <http://www.jadeprod.com/ocr.html>

I've inspected the Jade board/kit. Very nice board! (I know nothing about the "Tanner-White.") From what I've seen of the Jade board... I'd be tempted to buy the board only (\$18.50) and build it up from my junk box of parts.... Just my 2 cents :)

GL - 72 - Conrad Weiss - NN6CW

-----Original Message-----

From: George T. Baker [SMTP:w5yr@swbell.net]
Sent: Tuesday, July 14, 1998 8:39 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Tanner-White Receiver Kit

What's the URL?

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Harry T. Hurst wrote:

>

> Here I go again. I ran across the kit on the web. The
kit sounds good to

> me, single-signal, build for any band, easy to modify
etc...

>

> I haven't seen anyone mention this kit here and I'm
wondering why? Is it

> because it's not a transceiver? Because it's NFG? Because
it's built on a

> large pc board? Because it's been around too long?

Because the web pages

> about it are too gushy? hmmm...

>

> Anyway, if you have one of these radios, I'd appreciate
hearing your

> opinion. If you hate trolls as much as I do, you can
email me instead of

> posting on the list. Thanks!

--

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Tue, 14 Jul 1998 17:50:50 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: w5yr@swbell.net
Cc: qrp-1@Lehigh.EDU
Subject: [15089] Re: Tanner-White Receiver Kit
Message-ID: <199807141650.RAA07187@chuck.dallas.sgi.com>

George et.al.,

I bet the URL is <http://www.bgmicro.com/>

Dave White is the designer of the kit and it is put together by him and the kit is available from B.G. Micro and Tanner Electronics, both here in Dallas.

The kit has a rather large board and wide spacing on the layout. This is made as an experimenters kit, i.e. open to a lot of mods. A good teaching tool. The receiver, and you gotta remember here that all my stuff is currently in boxes, is good from VLF to over 100MHz, i.e. you can pick a single range to tune to, so those interested in 6M may have a start here.

Now since I don't have the info in front of me I'll stop here on further comments until someone that has one in front of them can post. If by the time I get back from Tuthill noone has come up with more detailed info then I will jump back in, but otherwise that's it from me. :-)

Billy Gates, founder/owner/etc., at B.G. Micro is currently working on a T0-92 transistor package and I hope to hear from him this week on it. He has had the "teaser" on his web page for over a month and I told him that this group might be interested in such a deal. I assume that it will be an assortment of 2N2222s, 2N3904s, 2N3906s, etc. that we use or could use in playing around and experimenting.

Page 6 of online catalog. 2N2222s 100/\$9 (plastic)

<http://www.bgmicro.com/product.htm> for the notice on the T0-92 transistor pack coming soon notice.

FYI

p.s. Dave's call is WN5Y, but don't go by the callbook address. I worked dave on 40M in 1994, but used to see him in Tanner Electronics aperiodically. A sharp guy.

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 14 Jul 1998 13:01:35 -0400 (EDT)
From: Bruce Muscolino <w6toy@erols.com>
To: "Francesco L." <ik8vwa@hotmail.com>
Cc: QRP-L@Lehigh.EDU
Subject: [15090] Re: Info (oops!)
Message-ID: <2.2.16.19980714125259.23af9ae6@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Francesco and group,

Yesterday I answered a question from Francesce and said I hadn't read the article he was referring to. Of course I hadn't read it, I wrote it! Here I am, hoisted by my own petard. An apology to the group. The information I gave Francesco was, however, correct!

73

Date: Tue, 14 Jul 1998 11:03:33 -0600 (MDT)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-l@Lehigh.EDU
Subject: [15091] Jade OCR Rcvr
Message-ID: <Pine.OSF.3.91.980714105854.7772E-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I assembled one of the Jade OCR (a la the QST article) kits. It worked very well the first time I fired it up. It's one of the best regen rcvrs I've ever built. The kit is first class and the manual is well done. The only minor thing wrong with the kit was that a few of the solder pads on the pc board were awfully small so I had to take extra care to ensure that I ended up with a good solder connection. No big deal.

73,

Jim WOKSD

Date: Tue, 14 Jul 1998 12:32:24 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: Adams Chuck <adams@chuck.dallas.sgi.com>
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [15092] Re: Elmer300
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C93790F@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Chuck:

This seems like an ideal vehicle for a discussion of the fine art of component substitution. That's a skill that doesn't seem widely practiced these days. Us OF's had to learn it back when we didn't have lots of RS stores, electronics surplus outlets, etc., just a few BC radios in various stages of cannibalization and the odd piece of surplus in the junk box.

Some purists might look down on substitution, but it serves several purposes. It allows you to keep going when you don't have the exact part called for. Figuring out an acceptable substitution provides a learning experience. It allows you to do substitution testing when debugging. It could even lead to an inadvertent improvement in a circuit.

I'd like to see a thread start on this topic, as it would complement the parts gathering phase. Not all hams are as fortunate as we to live in technology rich areas with ample resources.

73, Bob N6WG

Date: Tue, 14 Jul 1998 12:41:12 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [15093] Badpela rait rait long dispela list & obligatory QRP
Message-ID: <19980714.124120.6950.1.nilsbull@juno.com>

Wantok!

Mi ting ting olupela pipil long dispela list nidim raitim long Tok Pisin
na no ting ting long sapos mi oa narapela man em i no raitim stret.

After all, ain't Q & Z sigs another form of pidgin? How about all them CW abbreviations that we call prosigns or something. I mean, what the hey, ah ain't got no dishinary and I can write any ol wey ah wanna, see?

Some people go on vacation & come back to find out everyone's gone nuts! Maybe I ain't on the holodeck on "Bob's" flyin' saucer o' luv after all. Mebby ahm on some hellschiff headed for mutant city.

Ayeeee

QRP: I put a speaker in the TAC 1 and it still works! Something mustta happened to my screwupability while I was soakin' & floatin', toastin' & roastin'! Even had a QSO on the beast last night. A KA8 in Michigan runnin' 1 kW was plenti biktaim strongpela na mi havim 5 w tasol. Man em i senim rausim long Michigan, em i 599. Na signal oa toktok bilong waialis bilong mi, em i kisim 499.

Sometimes the magic works!

73

Nils

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 14 Jul 1998 11:43:13 -0600
From: Niel Skousen <skousen@srv.net>
To: qrp-1@Lehigh.EDU
Subject: [15094] Re: Badpela rait rait long dispela list & obligatory QRP
Message-ID: <199807141743.LAA04157@srv.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

classic, this one gets saved :-)

At 12:41 PM 7/14/98 -0500, you wrote:

>Wantok!

>

>Mi ting ting olupela pipil long dispela list nidim raitim long Tok Pisin

>na no ting ting long sapos mi oa narapela man em i no raitim stret.

>

>snip<

<runnin' 1 kW was plenti biktaim strongpela na mi havim 5 w tasol. Man em

>i senim rausim long Michigan, em i 599. Na signal oa toktok bilong

>waialis bilong mi, em i kisim 499.

>

Date: Tue, 14 Jul 1998 13:43:09 EDT

From: ARDUJENSKI@aol.com

To: qrp-1@Lehigh.EDU

Subject: [15095] REMINDER: Simple Antenna Nite

Message-ID: <9d02ede6.35ab98ae@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Don't forget tomorrow nite (0100-0200 utc Thursday) is a chance to test and compare your basic antennas with other simple antennas like the SLV, END FED 1/2 WAVE.

Will be covering 7040 for the first 30 minutes then jumping up to 7140 to pick up the N/T+.

Key info to pass is the RST, ANT TYPE (3 LTRS), and STATE/PROV.

The *identifier* is CQ VVV...(boy it really stands out and easy to catch). Last week was tuff copy but tomorrow promises to be a barn burner nite!

RESTRICTED ANTENNA NITE: Don't forget the last Wednesday of the month is RESTRICTED ANTENNA NITE. You can use aay antenn that fits inside your shack or dwelling. And if you live in a barn...well the sky is the limit (or is it the roof??).

Alan KB7MBI

Date: Tue, 14 Jul 98 07:44:05 HST

From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)

To: qrp-1@Lehigh.EDU

Subject: [15096] Hawaii QRP

Message-ID: <9807141744.AA18928@krypton.nmr.Hawaii.Edu>

I am heading out to KH7R for the RTTY contest this weekend. We will be going out Friday night which means I can take along my TenTec Argo and hook it up to a decent antenna, like the full size 3 element yagi on 40 meters. It will be pointed at the US and I will try to be on 40 meter CW near 7035 to 7040 from 10 p.m. HST to midnight, (and now an easy conversion: $10 + 12 = 22 + 10 = 32 - 24 =$) 8 am Zulu on Saturday Zulu. (HST = Zulu - 10 hours). My CW speed has gone to pot, so don't expect any speed deamon stuff. Maybe I can catch a few of the insomniacs on the list. Japan will be up at that time so everything above 7025 will be chaos of rtty,ssb,slow scan,fax etc. but they will be off the back of the beam. Last time conditions were good into the East Coast at this time and I snagged several 1000 mile per watt contacts using 5 watts. The TenTec only pushes 3.1 watts so just about everything but California is a 1000 mile per watt contacts.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

www.chem.hawaii.edu/uham

Date: Tue, 14 Jul 1998 13:46:38 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-l@Lehigh.EDU
Subject: [15097] PN2222A, etc Deals
Message-ID: <85256641.0061188E.00@dpinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I recently ordered a bunch of stuff from Hosfelt Electronics and while I was at it, re-supplied some of my transistor needs.

They had some good prices - 2N3904, 2N3906, etc for \$0.06 each.

I got a hundred of the PN2222A variety for \$5.00. Thought it was going to be 100@0.06, but I got a suprise!

MV1662 varicap diodes were a good bit less than a dollar each -- around \$.65 if I remember correctly.

For what's it is worth....these prices are hard to beat anywhere.

Watson/WB4EXW

Date: Tue, 14 Jul 1998 18:02:32 +0000
From: Ron Keener <rkeener@realtime.net>
To: qrp-l@Lehigh.EDU
Subject: [15098] rec.radio.amateur.????
Message-ID: <35AB9D38.4A35@realtime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

how do i find out what other sub sites are available on this news group

i know about .antenna and .equipment

but is there a way to get a LIST of others????

tnx

ron wa0ree

Date: Tue, 14 Jul 1998 18:11:19 +0000
From: Ed Loranger <we6w@qsl.net>
To: ataylor@heracles.llnl.gov
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15099] Re: 38 Spcl schematic details
Message-ID: <35AB9F47.5911@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Allan, here's a good place to find the 5Watt mod info:

<http://www.flinet.com/~duane/download/download.html>

You will see three 38Special item. One is a good
GIF of the 38Special 5Watt mod.

Hopin' I'm a helpin'
-Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 14 Jul 1998 13:24:04 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <rkeener@realtime.net>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [15100] RE: rec.radio.amateur.????
Message-ID: <19980714182409066.AAA267@muenzlerk>

Here's where I get some of mine. It's pretty up to date but not
really fast.

<gopher://services.canberra.edu.au:4320/1nnntp%20ls%20rec.radio.amateur%20>

This one's a little faster.

<http://search.dejanews.com/bg.xp?level=rec.radio.amateur>

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Ron Keener
> Sent: Tuesday, July 14, 1998 1:03 PM
> To: Low Power Amateur Radio Discussion
> Subject: rec.radio.amateur.????
>
>
> how do i find out what other sub sites are available on this
> news group
>
> i know about .antenna and .equipment
>
> but is there a way to get a LIST of others????
>
> tnx
>
> ron wa0ree
>
>

Date: Tue, 14 Jul 1998 15:08:45 EDT
From: SKIPNC90@aol.com
To: w0yse@juno.com, qrp-1@Lehigh.EDU
Subject: [15101] 11 TO 10 Info (long)
Message-ID: <71747a5b.35abad03@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi All,

I have converted the Hygain boards to Ten FM as well as other CBs. The best ones are from the late 70's and 80's. Most of the PLL chips had enough flexibility that they can be moved and expanded on their frequency coverage.

The best are the:

PLL-001, PLL-002

MC145104, 145106, 145107, 145109, and 145112

Or the SM5104, 5106, 5107, 5109

MM55104, 55106, 55114, 55116

These chips are all very similar with some different configurations in the reference oscillator side of the chips. Some are pin for pin replacements. All have either 8 or 9 programmable input lines. This is very important for the number of steps that can be selected.

The PLL-002, MC145106, MC145109, MC145112, MM55106, MM55116, SM5109, and SM5106 all have 9 programmable inputs.

Note most CBs use the same mixing with a 10.695 IF. The difference is if they use one xtal or two in PLL to get the output needed. Usually there is also a 11.8066 oscillator mixed with the VCO output to divide down for the input of the divide by N counter (channel selector input counter).

NOTE these can be moved to the bottom of ten meters without any trouble and maybe a switch or two. A very crude CW receiver can be made with this set up. I have on the bench that I worked up about ten years ago to help get someone on to ten meters. They lost interest, but it works. This was with no additional parts added except a switch to the divide change and to turn on the TX mix osc.

With the addition of a simple diode mixer and BFO this can be a full 4watt output CW transceiver on ten. I have only had it working into a dummie load and used my HW9 into a load as a signal generator for the rx.

Look around you might have on of these CB and the late 23 channel units with PLL used these chips also.

I was running 1 watt on 10 FM, best DX in last cycle was Japan simplex. I would work South America and Europe through repeaters in St. Thomas and other locations like two meters. No beams here just a vertical(shortened CB).

73 De Skip NC90

Date: Tue, 14 Jul 1998 11:12:32 -0900
From: Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>
To: nilsbull@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [15102] Re: Badpela rait rait long dispela list & obligatory QRP
Message-ID: <v03007802b1d16aa5cb08@[208.151.118.167]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I wonder how many other folks on the list have a special folder for "Vintage Nil's" ???

What else should one expect from a "Grinning Turkey Ranch" ???

You make me smile man !!! 8^)

72 / 73 / oo's - Bruce - KL7JAF

"Alaska QRP Club" - Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>

Date: Tue, 14 Jul 1998 15:46:33 -0400 (EDT)
From: macstein@cftnet.com (Mac Steinmeyer)

To: kl7jaf@eagle.ptialaska.net
Cc: qrp-1@Lehigh.EDU
Subject: [15103] Re: Badpela rait rait long dispela list & obligatory QRP
Message-ID: <199807141946.PAA29006@renoir.cftnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> I wonder how many other folks on the list have a special folder for
>"Vintage Nil's" ???

I know I do!

KF4KSM
-MAC-

macstein@cftnet.com

Date: Tue, 14 Jul 1998 12:45:23 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [15104] Re: Homebrew Sprint / Tuthill / BUBBA / etc
Message-ID: <199807141945.MAA09553@usr08.primenet.com>

Howdy Clif and Folks,

Clif (AB5UA) wrote:

> Where were all of the West coast stations in the ARCI Homebrew Sprint?
> [...] Where were you guys? Only worked Floyd, of the ScQRPions. Usually
> lots of Az. stations. Did Joe get gobbled up by the corporate monster?
> Floyd, you had better check on him.

Still QRT at Radio Station AB7TT. :-(Was actually
away from my Corporate Sensory Deprivation Pod (i.e.
cubical) this weekend, but was playing Mr. Mom while
the Mrs. was out of town. I went from sensory
deprivation to sensory overload in a nanosecond. *8-)

Even had to miss a big ScQRPion gathering to prep
some stuff for Tuthill. (Sorry guys!) Bob and Bertie
Hightower and the rest of the gang are busting some
serious butt to get Tuthill rolling, gonna be a

blast! A great time is guaranteed. Any of you UT/CO/ID QRPers going to migrate south for Tuthill?

No matter what, I WILL be at Tuthill, I WILL be serving as a Bumble Bee for the ARS Bumble Bee Sprint (though surgery may keep me from buzzing *too* far away...), and I do hope to be back on the air/QRP-L by August. Whether you want me or not. :)

QRP-L BUBBA '98 Announcement will follow soon (mark your calendars for August 30th!). I'm getting early reports that the August QST printed the BUBBA rules as including WARC bands for the Sprint - ain't supposed to be the case! No WARC for either BUBBA or FYBO. Never has been, never will. Hope to confirm the error as soon as my QST arrives.

Speaking of FYBO, as soon as the latest QRPP hits the streets (with FYBO '98 results), we'll mail out the prizes! I was worried that if I sent them out before the full results hit the streets, the surprise would be ruined. :)

QRPTTF results are scheduled to be printed in the Fall issue of QRPP. Lots of logs, lots of soapbox comments. You guys did great!

Hope life's been good to all of you these last few months. Please keep the ionosphere warmed up for me, hope to be warming the F-Layer(s) with my mighty 2-5 watts soon!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Some people may think I'm overprepared, paranoid, and maybe even crazy. But they've never had to fight a pre-Cambrian life form."

-- Tremors II

Date: Tue, 14 Jul 1998 14:46:59 -0500
From: Ed Manuel <n5em@flash.net>
To: hqrp@stevens.com

Cc: qrp-1@Lehigh.EDU
Subject: [15105] Houston QRP Meeting for July
Message-ID: <3.0.5.32.19980714144659.0095d100@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK, Gang. I've heard from a number of folks about their plans.

We will probably be down about half usual attendance from the norm due to the Texas City fest. But, I'm afraid that if we don't proceed with the meeting, someone who doesn't read email might make the trek in all by their lonesome.

So, I'll be there with bells on. We'll have a meeting regardless of who makes it. Maybe a shorter than usual one.

OH, and for those of you who don't go to TC, I'll have a couple of real collector's items for doorprizes. Size Large, I think. That is all.

Meeting details as follows:

The next regular meeting of the Houston QRP Club will be held on Saturday morning, 7/18/98 from 9am to 11am. The location will be in the Community Room of Merchant's Bank, located on Woodway, just east of Sage Road. This is only a few blocks west of the 610 loop, north of the Galleria. There will be several of us monitoring 146.700 in case you need help.

73
Ed Manuel, N5EM
Houston, Texas
n5em@amsat.org
n5em@flash.net

Date: Tue, 14 Jul 1998 20:05:19 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: cnse97@lmpsil02.comm.mot.com, joebarb@wilmington.net
Subject: [15106] Hole Punch information garnered.
Message-ID: <35ABB9FF.7E6@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I always find a way to do more work :)

OK. I got lots of questions about the hole punch tool
I use.

It makes different sized holes in sheet metal (advertised
usage) and other items of similar maleability. (easy for me
to spell....) Mine has 6 or 7 different hole/punch sizes
and is operated by hand. There is also a depth adjustment
so you can repeatably come in from the edge at the same
distance. Maximum throat length is about 4 inches.

I described the tool for the Post Tool manager at our
local store and he found the part there.

=====
Call 888-767-8866 for the 'Post Tool' order line.
\$22.00 + Tax. Part Number:MJ 78689
=====

I phoned both Harbor Freight and POST TOOL here in Santa
Rosa, CA. Heck, they are right next to eachother on
Piner Rd (915/930 Piner Road addresses.)

Harbor Freight 707-544-6442 (Local Store here.)
930 Piner Road
Santa Rosa, CA 95403

A free catalog is available at:
<http://www.harborfreight.com>

Post Tool Phone orders ==> 888-767-8866
POST TOOL 707-576-1800 (No Phone Orders there.)
915 Piner road
Santa Rosa, CA 95403

I have absolutely no connection, just following thru
for anyone who really wants this tool.

C-Ya'll

-Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 14 Jul 98 16:51:58 PDT
From: "Robert Roach" <KE4QOK@worldnet.att.net>
To: dave_epps@juno.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [15107] Re: Elmer300: First Experiment
Message-ID: <MAPI.Id.0016.004534514f4b202030303036303036303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable

Hello All,

I think that I bought the manual version of this from digi-key some time =
ago.

73 de KE4QOK
Bob

>
> AT Dayton I heard that Dremel sells a cutter that will cut little
> circular pads.
> I haven't been able to find one. I've also seen articles about making
> your
> own, but I haven't tried it yet. If enough guys were interested maybe =

> Doug at SAn Luis Mach. could make them.
> dave ab5pc fresno, ca.
>
> On Mon, 13 Jul 1998 20:21:12 +0000 Ed Loranger <we6w@qsl.net> writes:
> >Right On Jerry. I also am big on EPOXY for the
> >islands.
> >
> >I use a circular hole puncher from Harbor Freight tools.
> >Spec'd for 3/16 aluminum or any leather goods. 6 or 7
> >different hole sizes. Works well. Inexpensive.
> >-Ed
> >--
> >72, =3DED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
> ><http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)
> >
> >

>
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com>
> Or call Juno at (800) 654-JUNO [654-5866]
>

Date: Tue, 14 Jul 1998 17:04:02 -0400
From: "Jim Kortge, K8IQY" <jokortge@MCI2000.com>
To: qrp-1@Lehigh.EDU
Subject: [15108] Adel Nibbling Tool
Message-ID: <3.0.1.16.19980714170402.40279c70@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Gang....here is the answer I got back from Brown Tool Company
about price and availability of a "real" ADEL nibbling tool.

Guess they are still available!

Std disclaimer, yada yada yada.....

72.....Jim

>Jim,
>
>Thank you for your interest in our products. The current price of the ADEL
>Nibbling Tool is \$17.95 and we have plenty in stock. You might want to visit
>our website and on-line catalog at: <http://www.browntool.com>
>
>There you can view all of our products, check out our latest specials, and
>even place your order on-line. A print version of the catalog is also being
>mailed to you today.
>
>Once again, thank you for your interest in our tools, we look forward to
being
>of service.
>
>With Best Regards,
>
>Michael Brown
>Brown Aviation Tool Supply Co.

>

Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
jokortge@mci2000.com | __o H.F. bicycle mobile
Fenton, MI | _`<, Mizuho 17/40 SSB
... .. (*)/(*)
NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
Most recent - Iowa Mauritius

NorCal 38S/17 Log - 22 States; 51 Countries - Running 1.5 watts
Most recent - Alaska Ecuador

Date: Tue, 14 Jul 1998 17:32:04 -0400
From: dunk@otherside.com (John Dunker)
To: qrp-l@Lehigh.EDU
Cc: dunk@otherside.com
Subject: [15109] ARGO II SALE
Message-ID: <199807142132.RAA03508@jupiter.otherside.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

FOR SALE: TEN TEC ARGONAUT II, TEN TEC AC SUPPLY, TEN TEC MOBILE BRACKET.
EXCELLENT PHYSICAL CONDITION AND WORKS FINE (I'VE NEVER HAD IT
MOBILE.

\$875.00

(812)-951-2112 until 10:30PM EASTERN

Thanks

JOHN W9UR

Date: Tue, 14 Jul 1998 14:36:51 -0700
From: Conrad <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: "'Chuck Adams'" <adams@chuck.dallas.sgi.com>
Subject: [15110] Tanner-White = "Kit-Boo" ?
Message-ID: <01BDAF34.D801D1C0.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

On the subject of the Tanner-White receiver kit, a friendly sales-support lady from B.G. Micro sent me a FAX describing what she believes is the Tanner-White receiver kit. However, B.G. Micro calls it, "KIT-B00!" (She had no idea why. Neither do I) :)

B.G. Micro's description of "KIT-B00" follows: ("they" wrote this not me) :)

"Shortwave Kit"

Be quiet, I think I hear something..... You really can hear something if you build our KIT-B00, This super "hot" receiver uses the latest in technology. The MMIC (monolithic microwave integrated circuit) amplifier works from just above DC to light. The "B00" comes with all the parts you need to listen to WWV, or any frequency between 20kHz and 200 MHz. This home-grown, home-brew rig is fun, educational and easy to build. The tuning range can be customized to cover an entire band or just a small segment. The KIT-B00 puts out 8 watts of audio, has a crystal filter and features a broadband design. The PC board is silk screened for easy part ID. The twenty page manual comes complete with circuit theory, schematics, easy to read instructions, and much, much more. PC board measures 4-1/2" X 6-3/4". Get on your mark - GET SET - Build it!!

KIT-B00.....\$4
4.00

Contact: B.G. Micro, PO BOX 280298, Dallas, TX 75228
Or call: 1-972-271-5546

Or URL: <http://www.bgmicro.com/>

Could be kind of fun, eh? :)

Std. Disclaimers..... GL to all - 72 - Conrad Weiss - NN6CW

Date: Tue, 14 Jul 1998 17:44:58 -0400
From: dunk@otherside.com (John Dunker)
To: qrp-1@Lehigh.EDU
Cc: dunk@otherside.com

Subject: [15111] ARGO II SALE
Message-ID: <199807142144.RAA03903@jupiter.otherside.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

FOR SALE: TEN TEC ARGONAUT II, TEN TEC AC SUPPLY, TEN TEC MOBILE
BRACKET.
EXCELLENT CONDITION- WORKS FINE.I'VE NEVER HAD IT MOBILE.

\$875.00

TEL:812-951-2112 (UNTIL 10:30pm EASTERN)

JOHN W9UR

Date: Tue, 14 Jul 1998 15:05:08 -0700
From: Conrad <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15112] Kit-Boo price = \$40.00
Message-ID: <01BDAF38.D00A3080.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Sorry for typo on prior Kit-Boo pricing. That should read:
\$40.00 :)

72 - Conrad Weiss - NN6CW

Date: Tue, 14 Jul 1998 15:57:14 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [15113] Central California QRP Picnic
Message-ID: <2.2.32.19980714225714.00c4f760@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

What a GREAT time.

Yep, I attended the Central California QRP Picnic Sunday

and have posted the report off the NorCal Page complete
with pictures.

Check it out: <http://www.fix.net/~jparker/norcal/picnic/qrp picnic.htm>

Enjoy,,,72,,,Jerry...WA6OWR...K

The NorCal Page: <http://www.fix.net/norcal.html>

Date: Tue, 14 Jul 1998 22:57:04 +0000
From: Ed Loranger <we6w@qsl.net>
To: jparker@fix.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15114] Re: Central California QRP Picnic
Message-ID: <35ABE240.78D1@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What a great tour, Jerry! If it hadn't been my birthday
and a family gathering here form my 40th on Sunday,
It looks good enough to ride my bike to -- all the
way from Santa Rosa! Maybe next year :)

-Ed

Jerry Parker wrote:

>
> What a GREAT time.
>
> Yep, I attended the Central California QRP Picnic Sunday
> and have posted the report off the NorCal Page complete
> with pictures.
>
> Check it out: <http://www.fix.net/~jparker/norcal/picnic/qrp picnic.htm>
>
> Enjoy,,,72,,,Jerry...WA6OWR...K

>

> The NorCal Page: <http://www.fix.net/norcal.html>

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

End of QRP-L Digest 1152
